

FJ-X2 Wearable

Personal Radiation and Health Monitoring Watch

“Device-Edge-Cloud” Architecture



Features:

Core functions: Radiation monitoring, heart rate monitoring, blood pressure monitoring, sleep monitoring

Communication function: Bluetooth

Exercise functions: 20+ exercise modes, calorie count, step count

Life services: Sedentary reminder, alarm reminder, incoming call reminder, message reminder

Data function: Synchronize data to APP



Specification:

Basic:

Display: 2.02-inch

Resolution: 320*385

Material: Zinc alloy + ABS plastic + PC lens + TPU

Color: Main body: Silver gray, Wristband: Color options available

Languages: Chinese, English

Hardware

Chipset: RTL8762DT-CG

Button: Knob button + Track button

Call: Supports Bluetooth calls

Motor: Supported

Heart rate sensor: Tianyihexin 3605 Flash 128Mbit

Battery capacity: 400mAh

Standby time: 4 days

Charging method: Wireless charging

Touch control: Full touch

Screen size: 50.5*42*14.2mm

Waterproof grade: IP67

Package: Smart watch, manual, warranty card, charging cable



Radiation monitoring

Radiation detector: Tellurium Zinc Cadmium (CZT)

Energy range: 30 keV to 3.0 MeV

Dose rate range: 0.1 μ Sv/h to 10 mSv/h

Measurement accuracy: $\pm 10\%$ at 662 keV

Detection of rays: X-rays, gamma rays

Health Monitoring

Heart rate sensor: Photoelectric dynamic heart rate sensor

Blood pressure monitoring: Active and passive dynamic blood pressure monitoring

Step counting during exercise: G-sensor